

Fig. 1

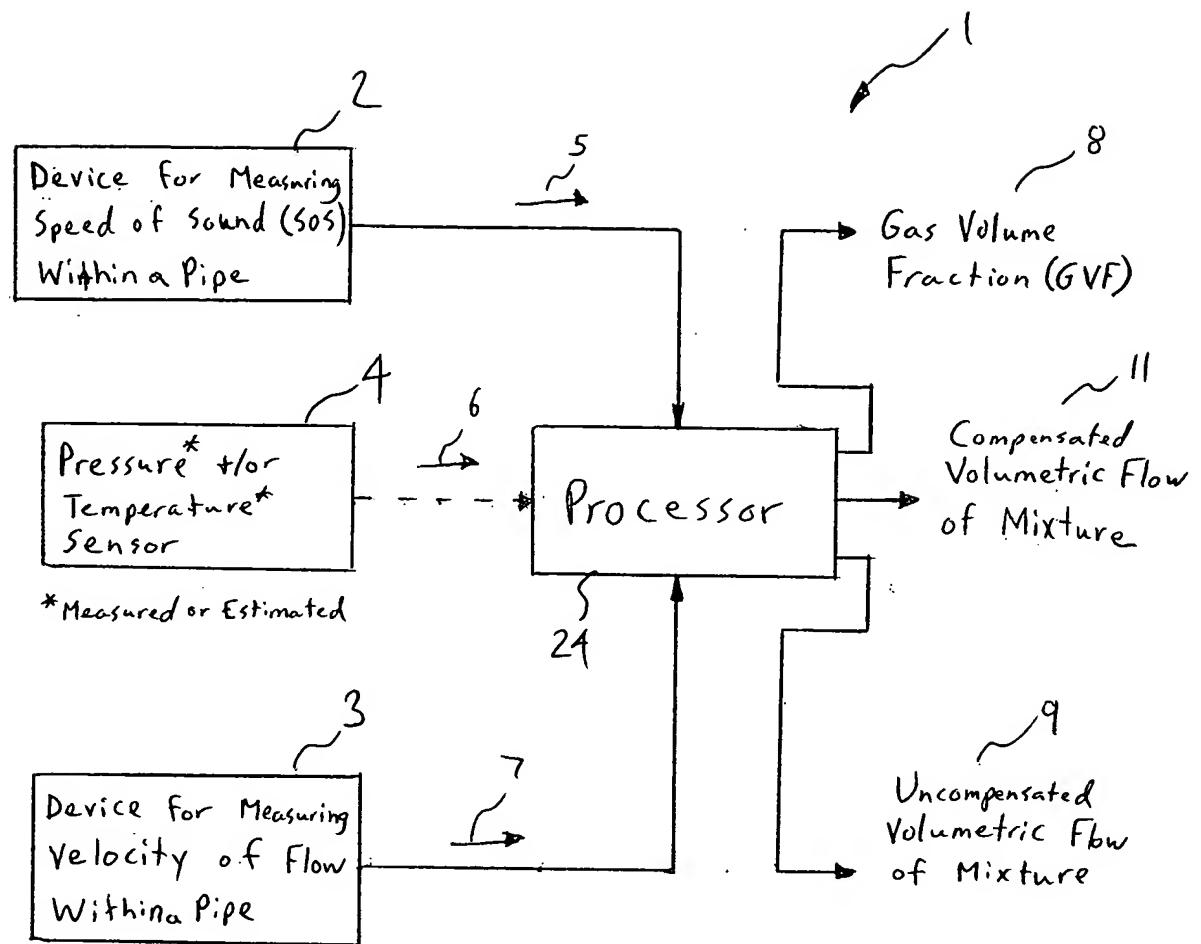


Fig.2

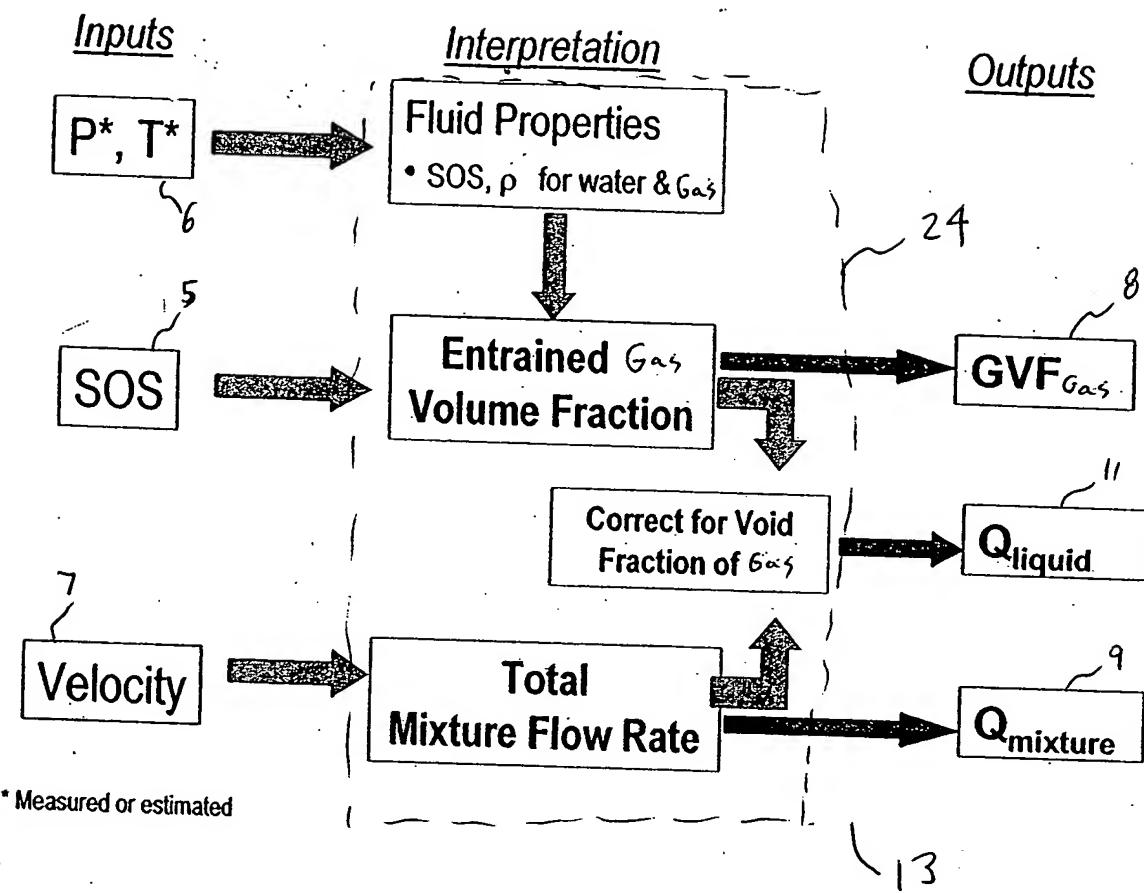


Fig. 3

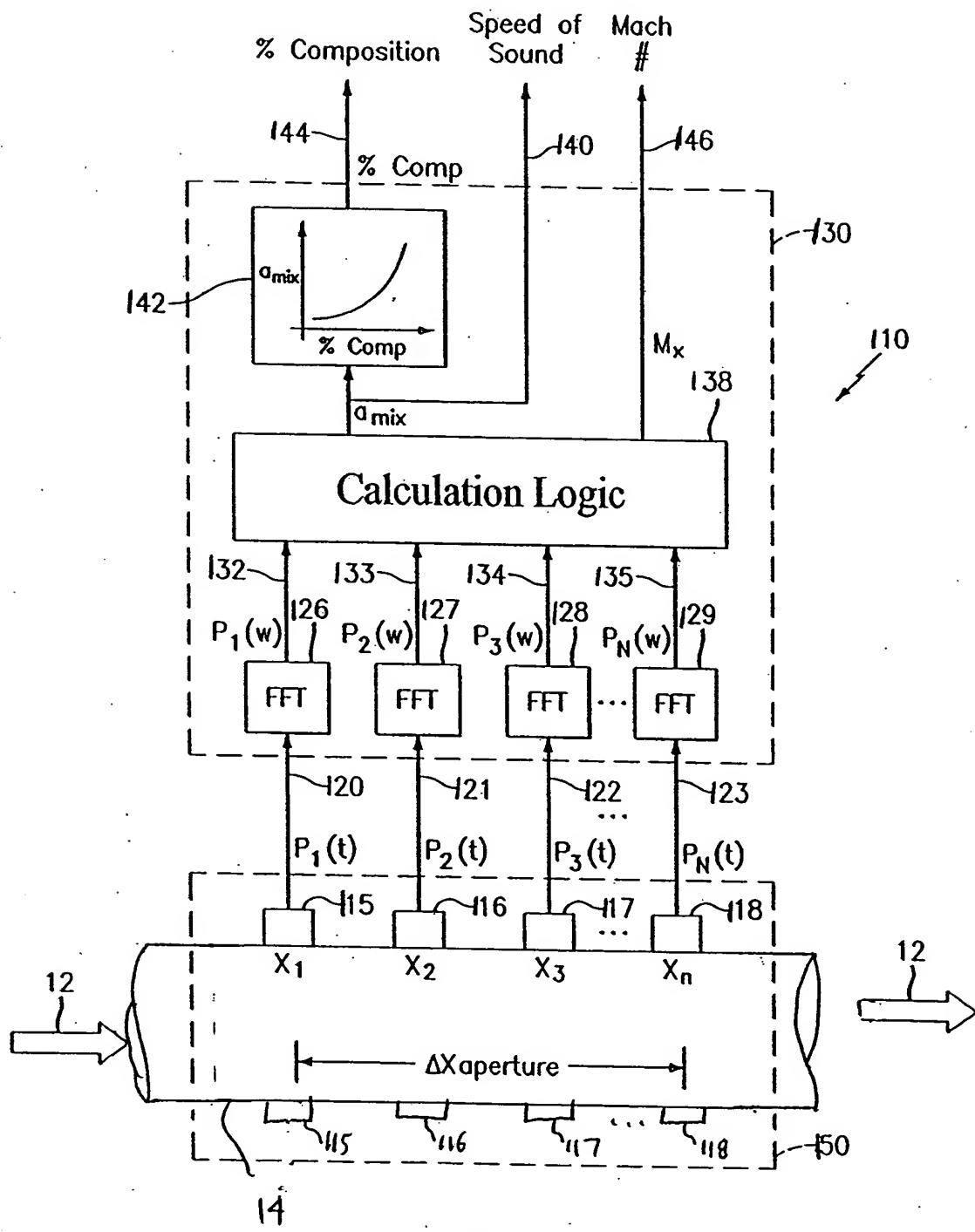


FIG. 4

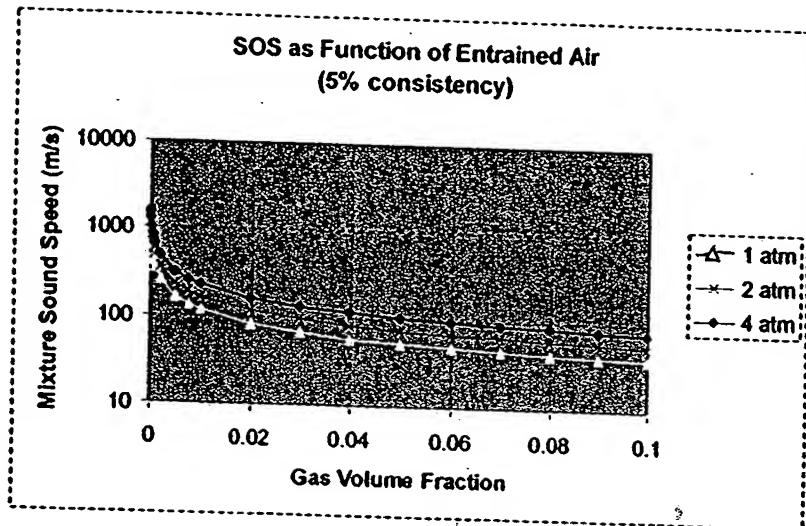


Fig. 5

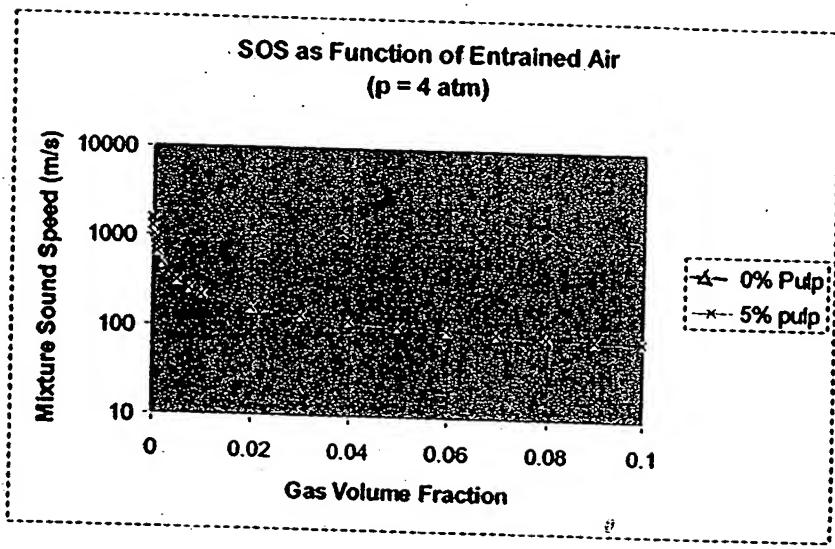


Fig. 6

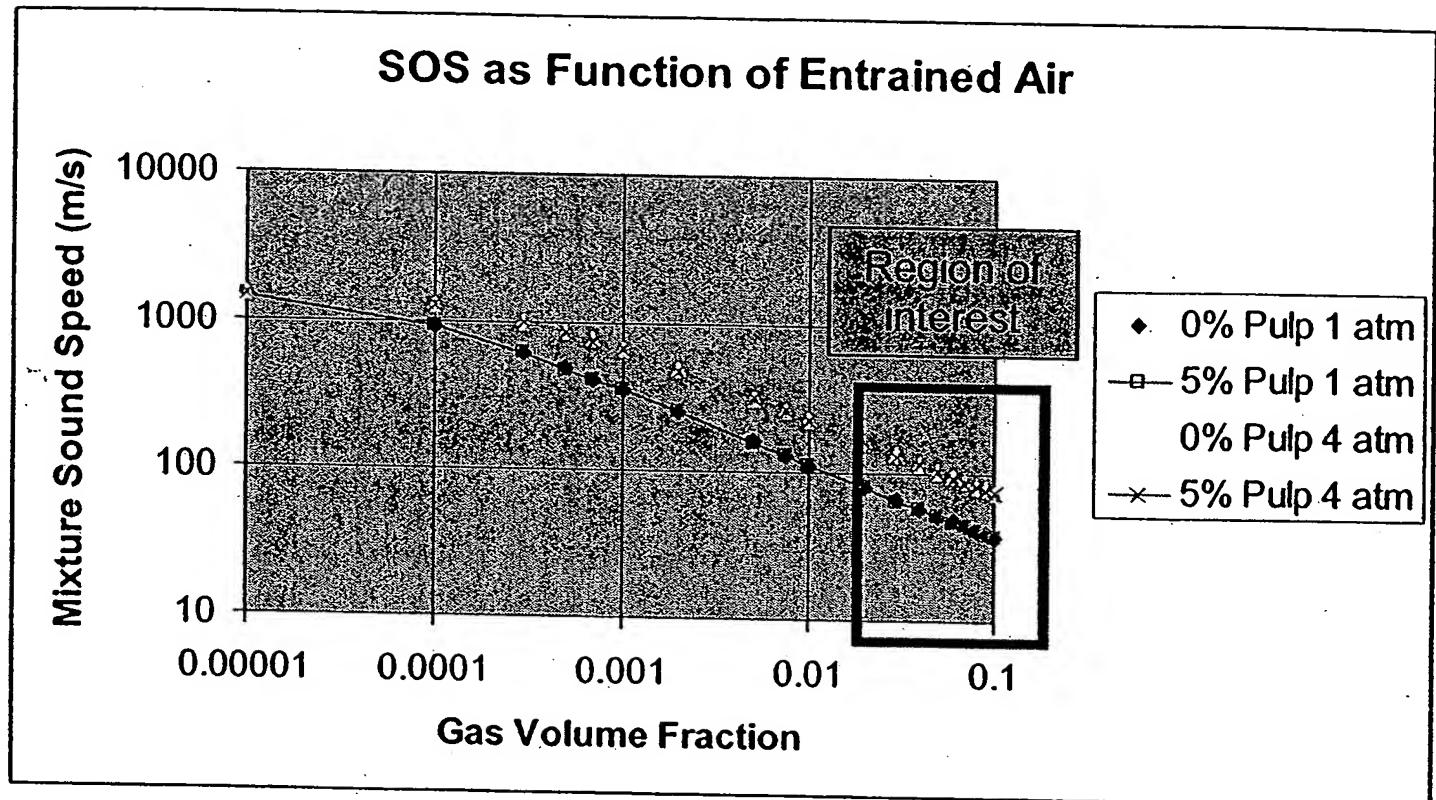


Fig. 7

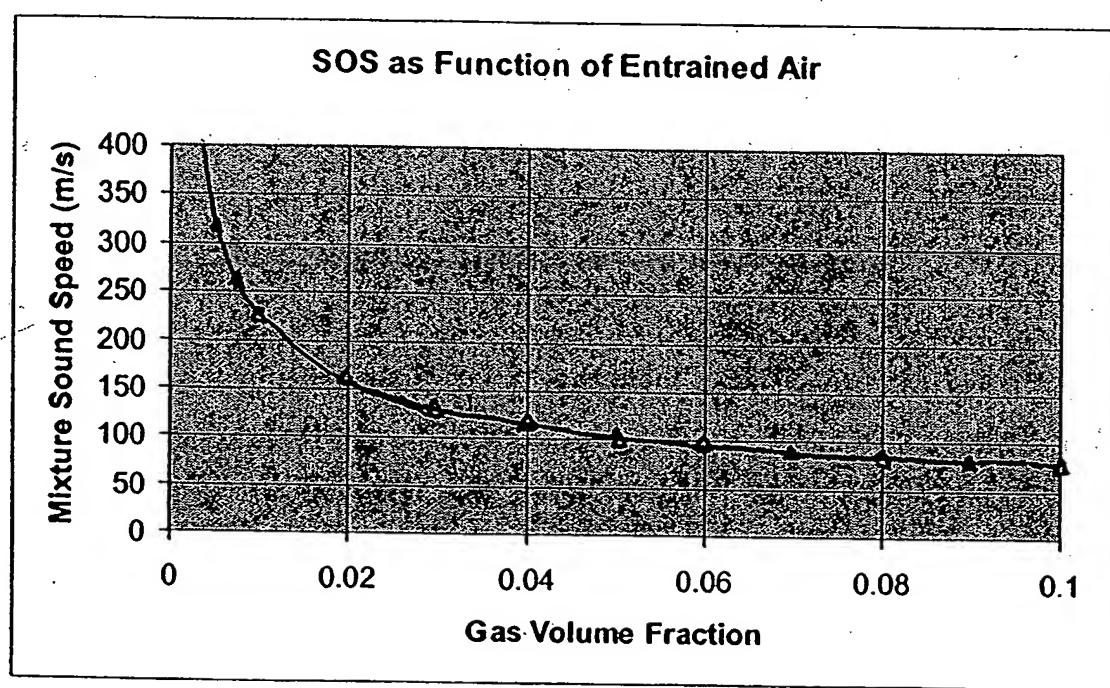


Fig. 8

K- $\omega$  plot showing Acoustic Ridges  
(in water with entrained air)

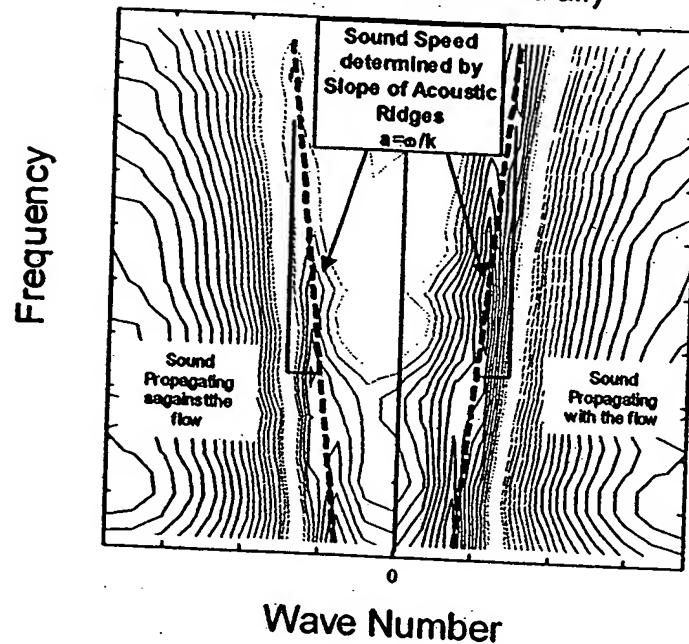
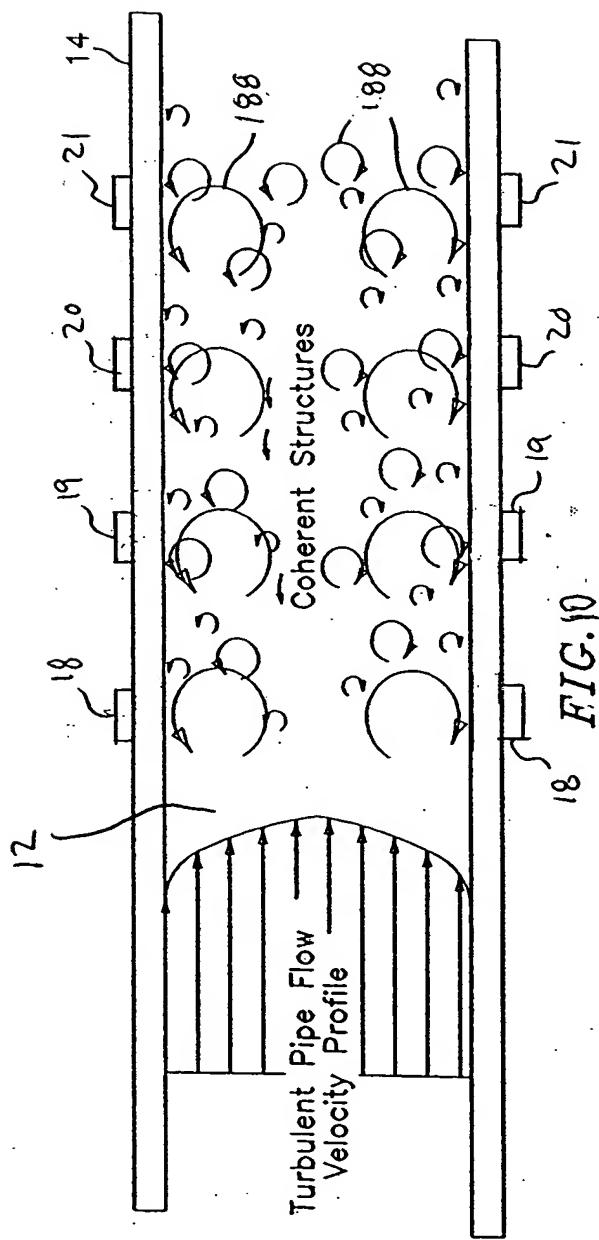


Fig. 9



18 FIG. 10

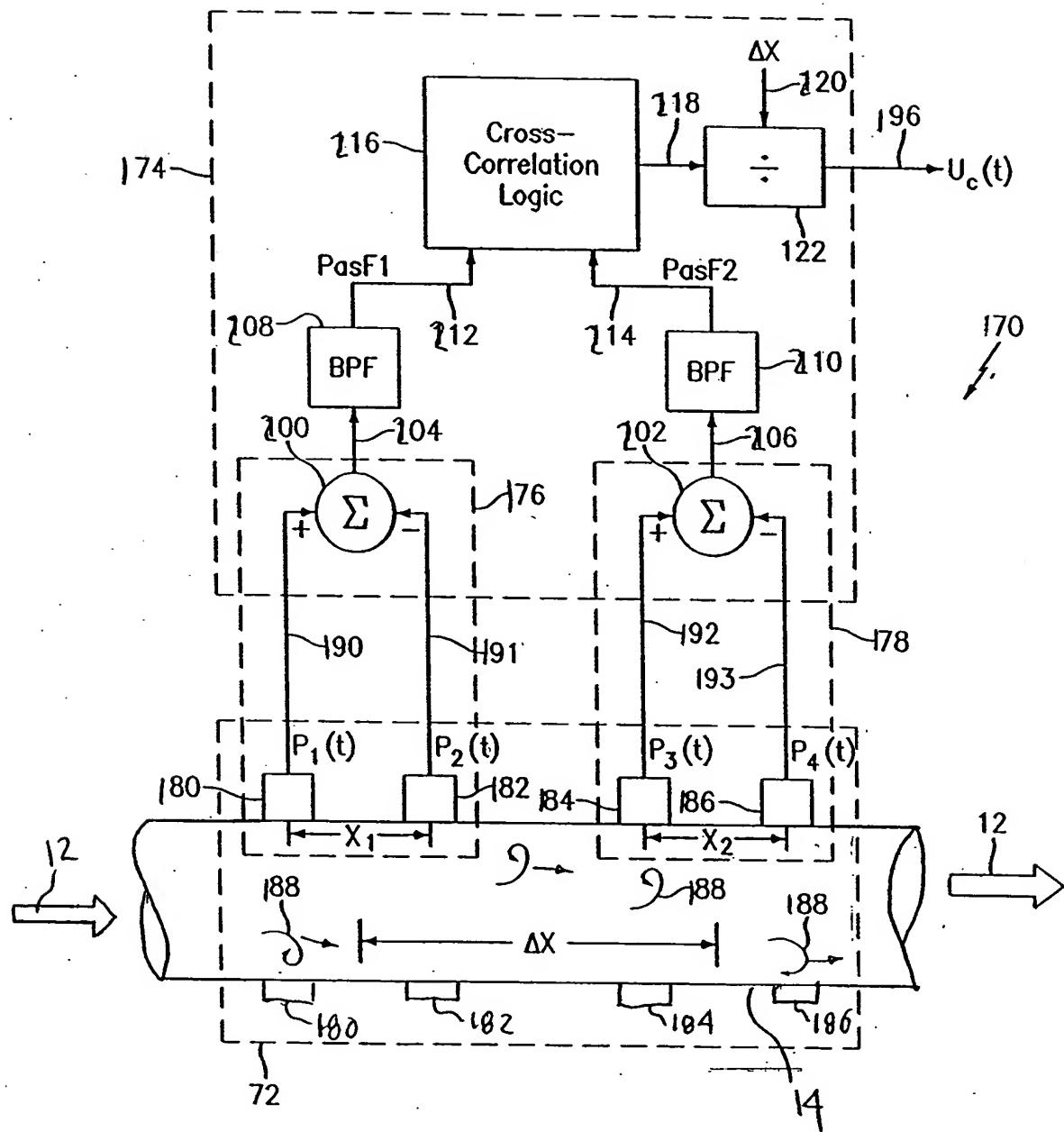


FIG. 11

K- $\omega$  plot showing Convective Ridge

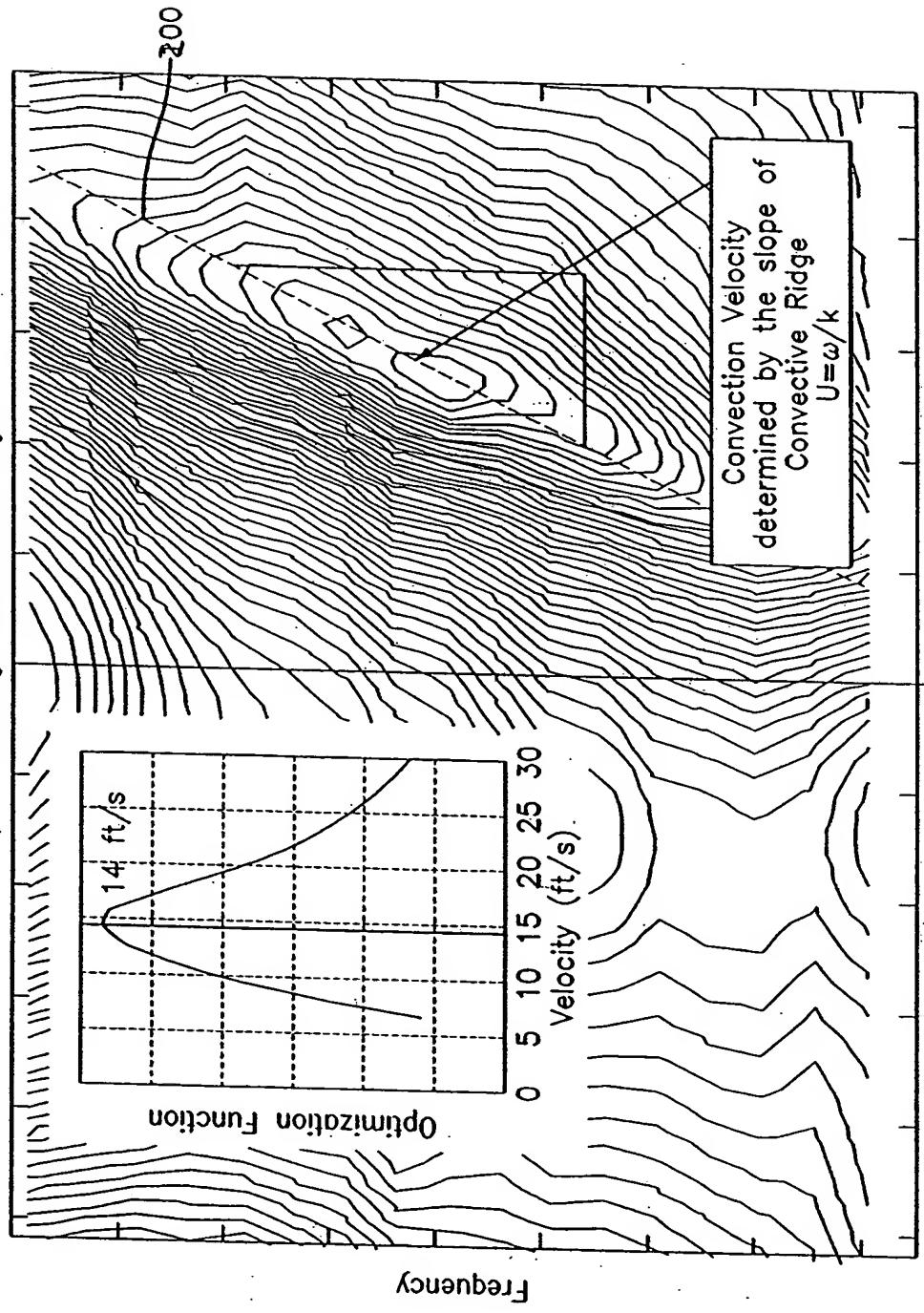
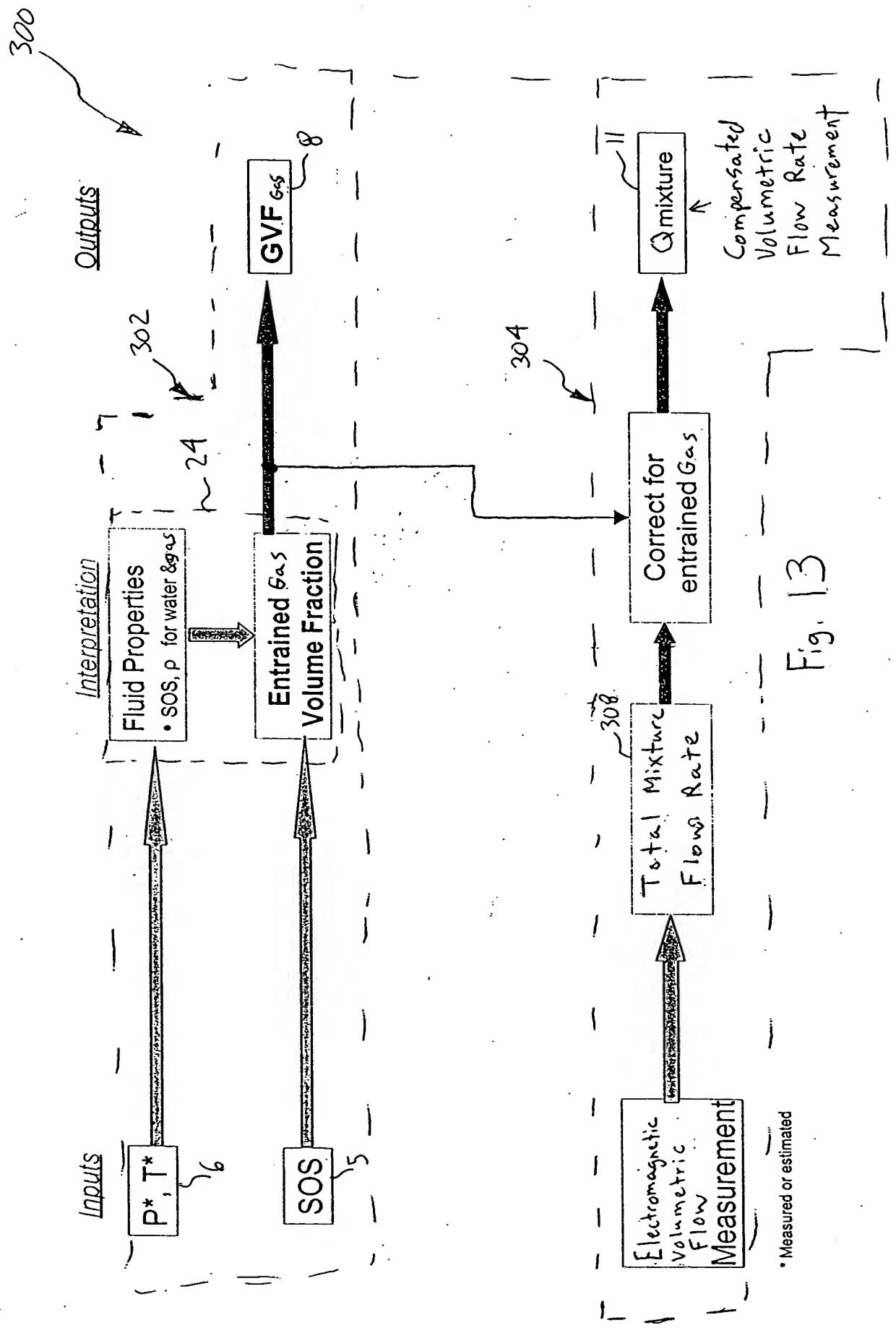


FIG. 12



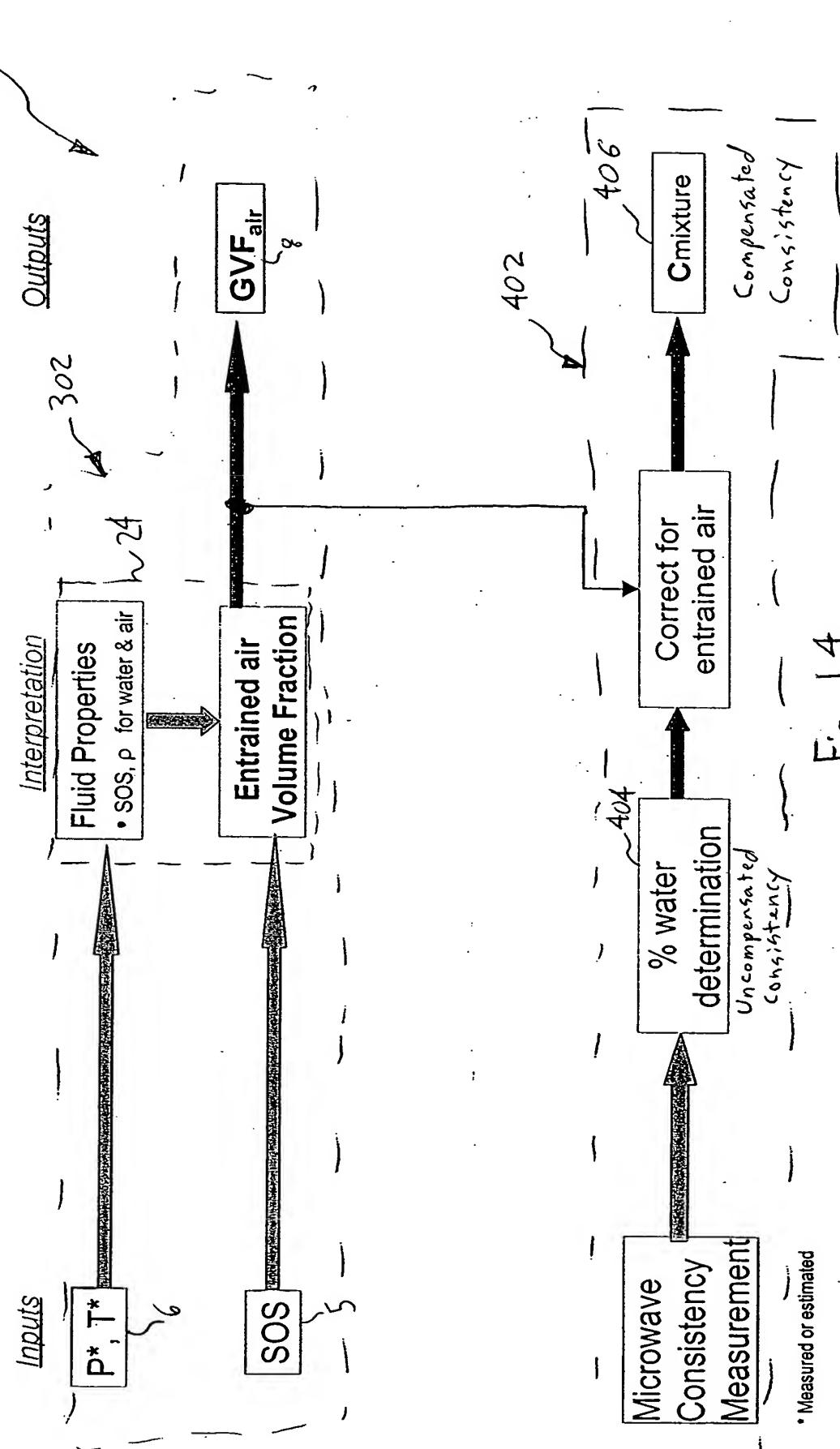
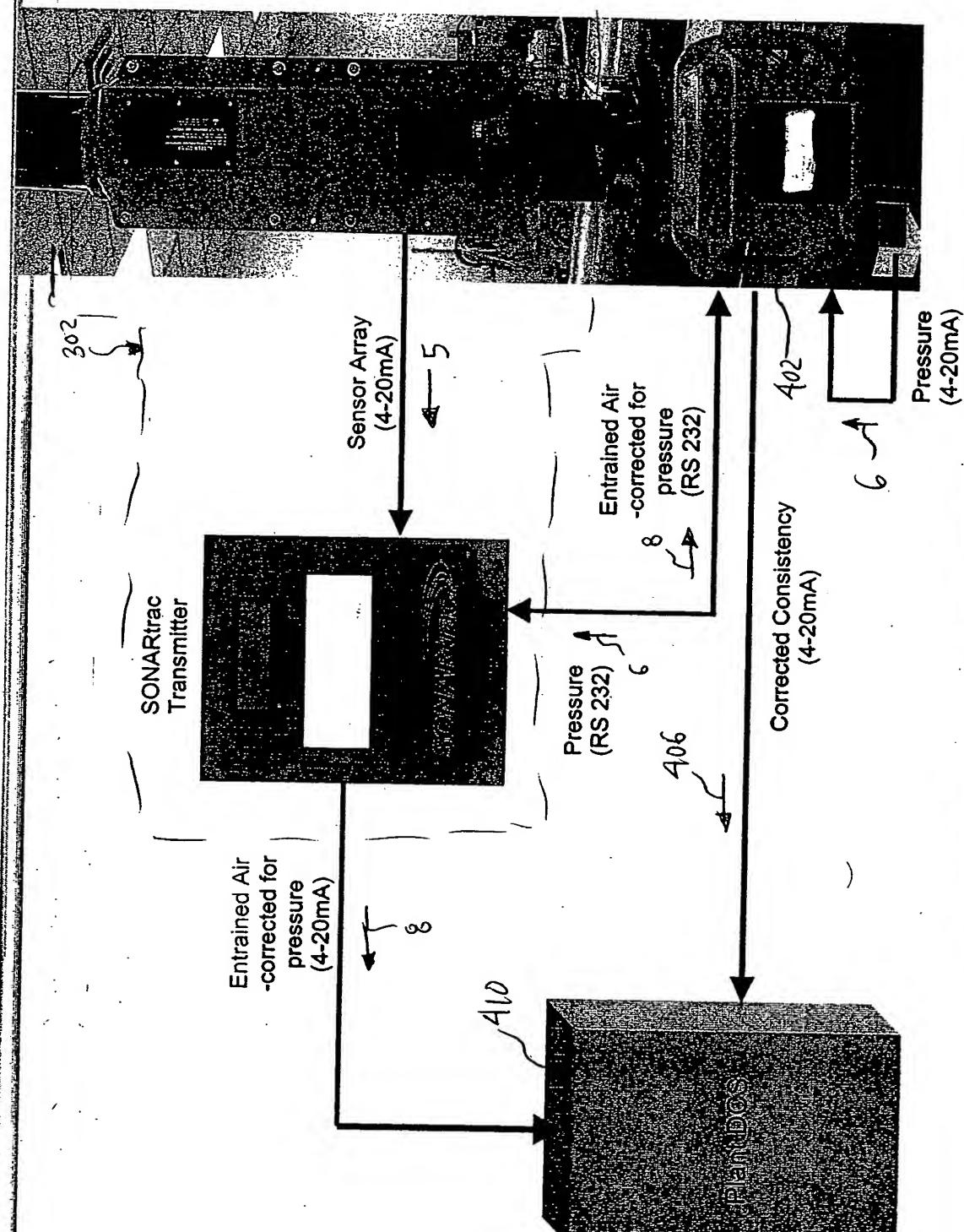
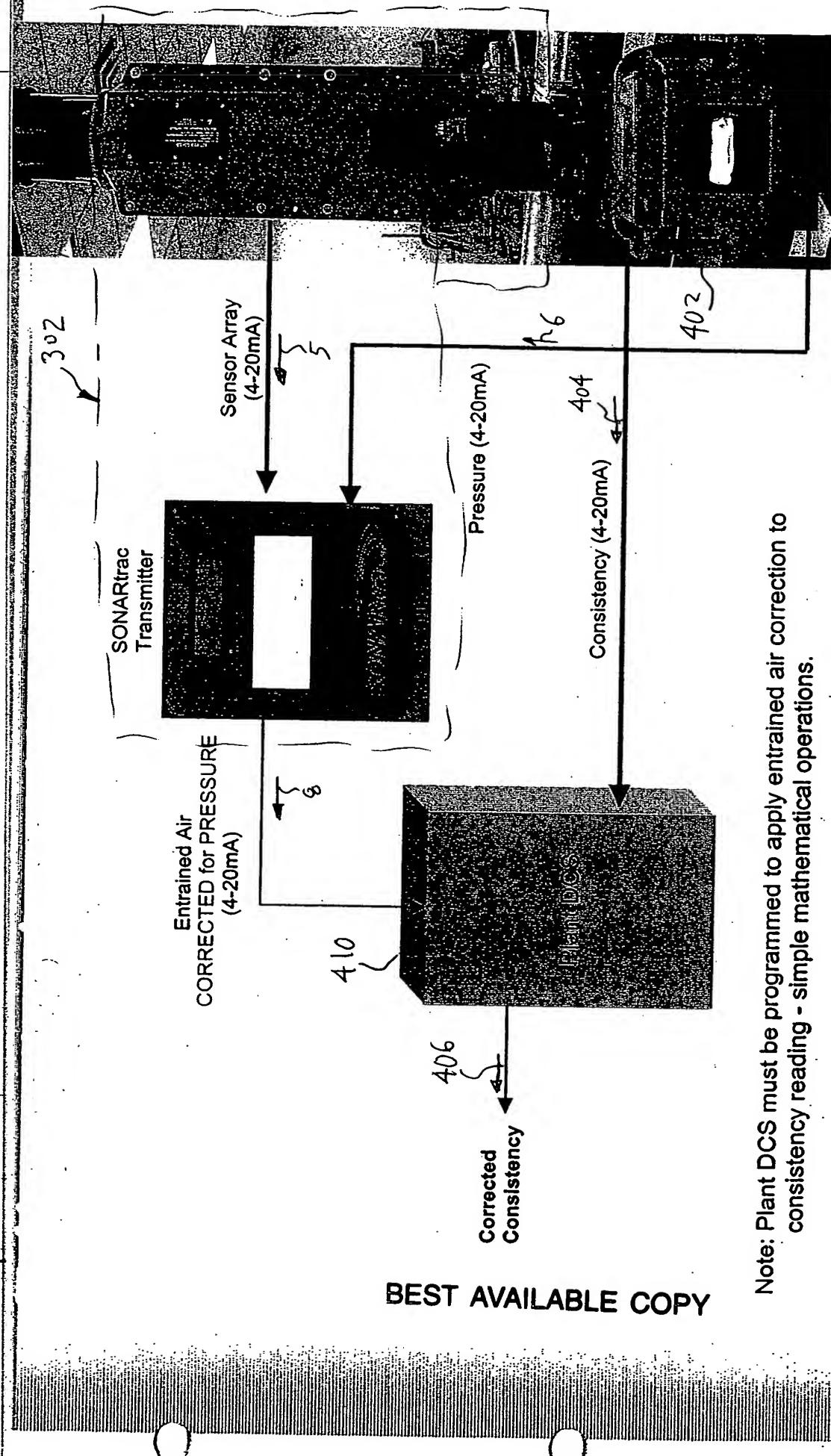


Fig. 1.4



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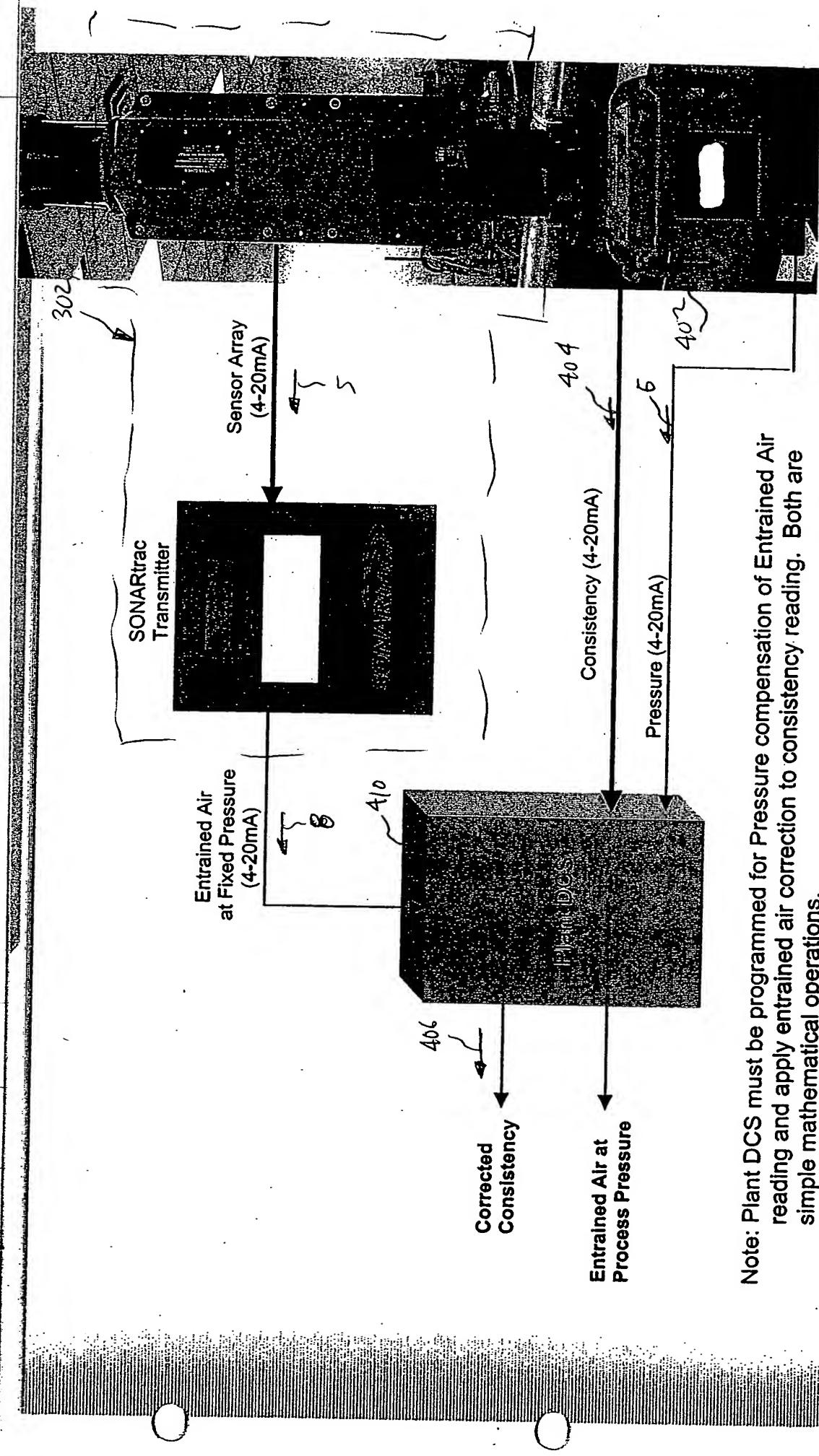
Fig. 15



Note: Plant DCS must be programmed to apply entrained air correction to consistency reading - simple mathematical operations.

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Note: Plant DCS must be programmed for Pressure compensation of Entrained Air reading and apply entrained air correction to consistency reading. Both are simple mathematical operations.

Fig. 17

### Microwave Consistency Corrected by CIDRA SONARtrac Entrained Air Measurement

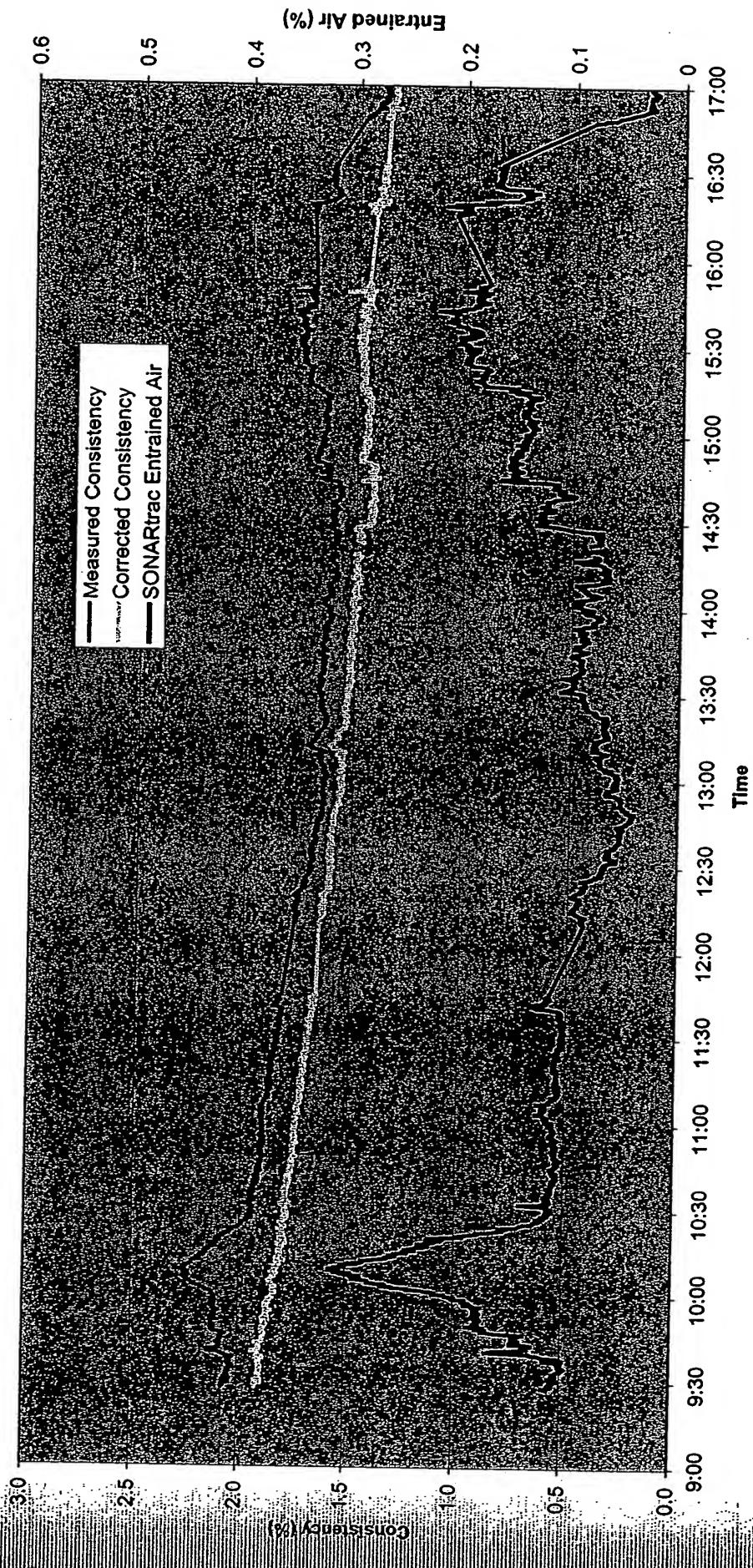


Fig. 18

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# Macro Bubble Testing Shows Ability to Correct Microwave Consistency Analyzer

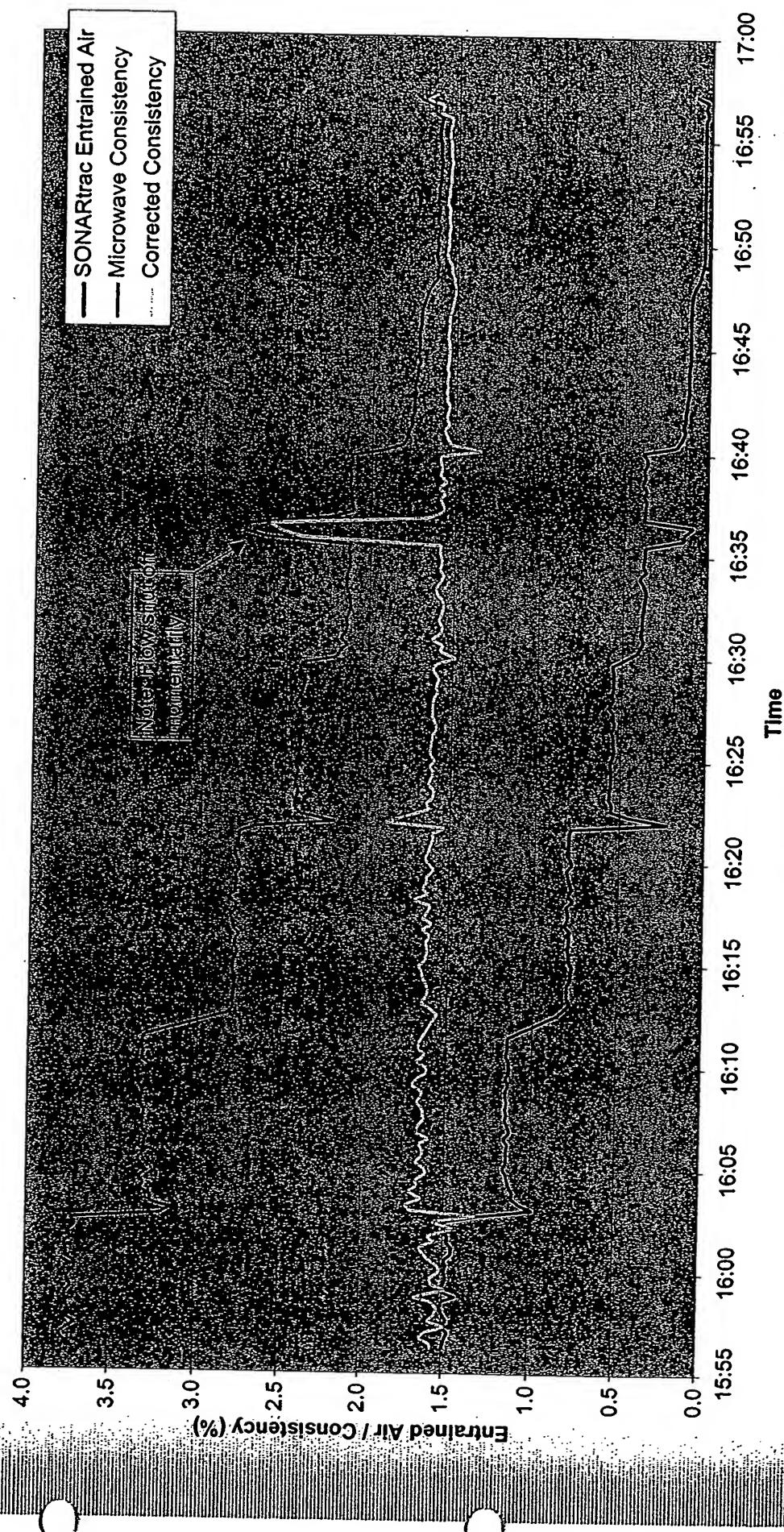


Fig. 19

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# Microwave Consistency Corrected by CiDRA SONARtrac Entrained Air Measurement "Micro" Air Flow Test

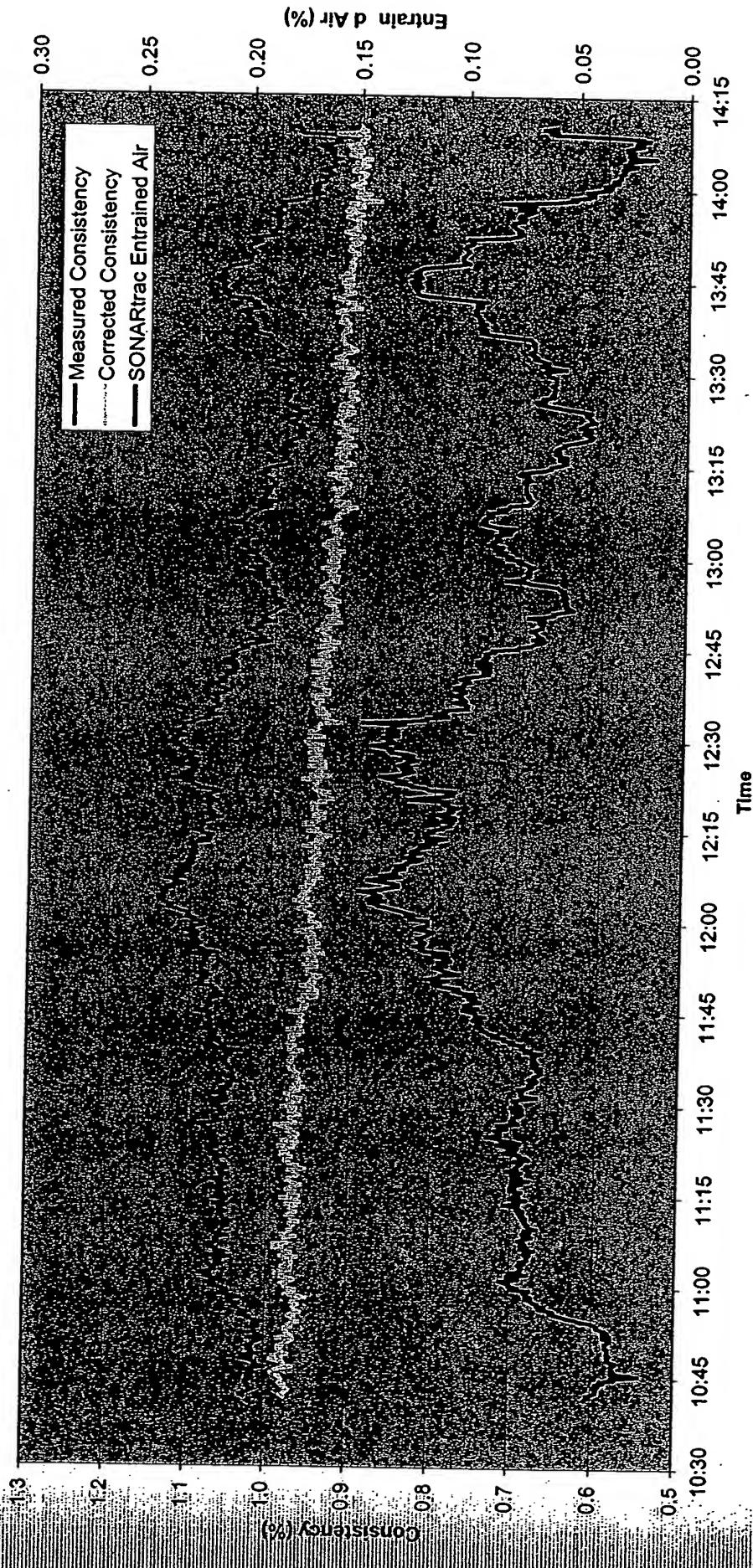


Fig. 20